State Data Center Cost Allocation Plan Fiscal Year 2018

The Cost Allocation Plan is the State of Missouri's initiative to develop a cost-based method to establish billing rates for Information Technology services and products. The Cost Allocation Plan works to ensure State of Missouri IT services are provided in a cost effective manner.

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Introduction

The State Data Center's Cost Allocation Plan was developed to establish a cost-based recovery method for the State's Information Technology Services. The benefits of the CAP are twofold. First, the CAP allows for a full-cost recovery process of SDC services. Both, direct and indirect costs, are included in the full-cost recovery to minimize under or over recovery of the SDC's total budgeted costs. Secondly, each customer is treated in an equitable manner, based on the resources used by that customer.

This document will provide the methodology used for determining the rates billed, an explanation of terms used, summarized anticipated personnel expenses, itemized estimated expenditures for the SDC, a summarized list of the costs per service with the rate calculation, an estimated billing based on utilization per customer, and a rate comparison of the current year and the preceding four years.

Methodology

To develop the CAP, the following components were analyzed to establish the final SDC CAP rates.

- **Determination of the Rate Category for Services Provided:** All services provided to the customer by the SDC are identified and approved by the Chief Information Officer (CIO).
- **Units of Service:** The unit of service used to measure the volume of the service provided by each CAP item is established based on three criteria.
    - The relationship to the function performed
    - The measurability
    - The controllability by the customer

- **Compilation of the Estimated Utilization by Customer:** For each CAP item, the utilization by customer is compiled and totaled to develop the basis for the billing rate computation.
- **Identify the Type of Cost:** There are two types of costs identified in the CAP, allocated direct and allocated indirect costs. Allocated direct costs are associated with personnel and equipment costs that can be directly identified based on the type of service. Allocated indirect costs are related to support costs for services provided by the SDC and cannot be identified by a specific type of service.
- **Determine the Allocated Direct Cost:** Allocated direct costs are those costs budgeted for personnel, equipment or other expenses that can be directly identified with providing a specific service. These costs are accumulated to determine the total allocated direct costs associated with each type of service provided.
- **Determine the Allocated Indirect Cost:** Allocated indirect costs are those costs budgeted that are not associated with a specific service. These costs are accumulated to determine the total allocated indirect costs and prorated across each type of service provided.
- **Summarization of the Total Costs by Service:** The summarized total cost by service is determined by adding both direct and indirect allocated costs with job costs.
- **Calculated Rate per Unit of Service:** The rate per unit of service is calculated by dividing the total annual cost by the total estimated annual utilization.

Explanation of Terms

- **Allocated Direct:** The personnel services, equipment and other expenses directly identified with providing a service.
- **Allocated Indirect:** The personnel services, equipment and other expenses indirectly identified with providing a service.
- **All Fusion (COOL Gen) Service Units:** An All Fusion Service unit is the translation of CPU resources used for batch jobs and TSO transactions that occur while using the Cool Gen product.
- **Active Directory and Exchange:** Active Directory (AD) is used to provide contact information globally. Exchange services are those related to email provided by ITSD. The costs are based on the number of accounts and/or the amount of email stored on the servers.
- **BOX.com:** BOX.com is a cloud-based user-centric file collaboration/sharing/storage solution, which allows internal and external users access to data. Access is granted based on the ownership of the data by the user, who determines what users and access to the data. The State Data Center administers the State of Missouri Box infrastructure
- **CICS Transaction:** A CICS Transaction is a request made at a workstation. The request may be for a display of information at that workstation or storage of information entered on the workstation.
- **CPU Priority Adjustment:** CPU Priority Adjustments are based on the batch job priority class defined by the customer and the time of day for TSO usage. Low priority jobs are billed at 75 percent of the normal CPU rate. Low priority jobs are processed during the second and third shifts. Class One jobs are billed at 65 percent of the normal CPU rate. These jobs are processed during weekends and holidays. TSO, CPU, and FOCUS CPU usage during non-prime hours (5pm to 7am) and are billed at 75 percent of the normal CPU rate.
- **CPU Service Unit:** The CPU resources used for the following batch jobs, TSO transactions, CICS transactions, IDMS transactions, DB2 ClientServer transactions and FOCUS are monitored and measured to determine the CPU service units. Service units used by DB2 transactions are reported under CISC, TSO and Batch.
- **DistSys Backup and Recovery:** DistSys is an IBM software product used by the customer to backup servers and workstations. The costs associated with this service are based on the amount of backup storage the customer uses.
- **DB2LUW:** DB2 LUW is part of the IBM Universal Database Suite and runs on the distributed Windows, Linux, and UNIX operating systems. IBM DB2 LUW is a relational DBMS system that provides a data platform for both transactional and analytical operations.
- **Enterprise Fax Services:** Enterprise Electronic Fax Service is a software product provided by Biscom. This service allows for the electronic retrieval and sending of faxes. This service is managed by the SDC, but billed based on the fax telephone number. Enterprise Fax charges will be invoiced on the Telecommunications invoice.
- **Laser Feet, Duplex Printing and Line Printed:** Reports printed from the SDC Mainframe printer(s) is comprised of the lines printed (impact) and/or the feet printed (laser/duplex) a cost is then assessed based on the printed line and/or feet printed.
- **JIRA:** JIRA is a software tool from Atlassian that can manage team activity and track issues. Many State Agencies utilize this tool for software tracking.
- **Job Cost:** Job costs are associated with the backup, maintenance and the monitoring of systems required providing customer service by the SDC. The costs are applied based on the appropriate type of service.
- **MySQL:** MySQL is an open-source relational database management system that runs on a Linux platform, and is a central component of the widely used LAMP open-source web application software stack.
- **OnBase ECM:** OnBase is State of MO standard Enterprise-level Electronic Content Management (ECM) system used for the storage, retrieval and management of electronic content. Billing is based on "named" users.

- **Physical Server Support:** Physical Server Support encompasses the management of a physical server, including the infrastructure. (This service was previously called Server Support.)
- **Remote Server Support:** Remote Server Support encompasses the management, technical support and hardware replacement for servers not located within the SDC.
- **Storage Area Network:** SAN is the disk storage that is used by the Open System environment.
- **SharePoint:** SharePoint services provide a vehicle to store, load and track documents, as well as provide a resource for collaboration.
- **SQL Database Hosting Base Charge** -All base costs associated with supporting customer databases are included in the *Database Hosting Base Charge* except for the cost of the storage space for databases. The base rate of the *Database Hosting Base Charge* is based upon the total number of all customer databases supported by ITSD Database.
- **SQL Server Memory**- The server memory comes into play when you have a dedicated server/instance to one application. This maybe a large application on a COTS application that could have prerequisites for a large amount of memory. With this charge we are simply passing on the cost of memory to the application.
- **SQL Database Hosting Overage Charge** - Exclusive of the Database Hosting Base Charge is a separate Database "overage" charge based upon the size of the database. Comparatively, the larger the database, the more disk space, memory, support, and administration are needed to provide customer approved functionality and performance. The Database Hosting Overage Charge accounts for the requirement of these additional resources and is assessed on each additional gigabyte (GB) over 1 GB. Databases sized at less than or equal to 1 GB will not be assessed an overage charge.
- **SQL DBMS License Charge** - The DBMS license charge comes into play when you have a dedicated server/instance to one application. This maybe a large application or a COTS application that has prerequisites for large amount of processing power. In order to keep the cost down for the DBMS systems, we are leveraging putting on more databases on an instance/region. When the application needs large amount of dedicated processing power, we have to have a way to bill this back. Most vendors now are basing their licenses on cores and to keep this cost down in the virtual world we are building dedicated clusters of VM's and licensing every core. With this charge we are simply passing on the license cost of running the DBMS software to the application.
- **SQL Server Reporting Services (SSRS):** SSRS is the State of Missouri's Enterprise standard for Reporting. SSRS is a Microsoft product offering a full range of ready-to-use tools and services to help create, deploy, and manage reports, as well as programming features that enable extending and customizing reporting functionality.
- **Tableau:** Tableau is the State's Enterprise Statistical Analysis platform. It can be used to connect to any data source and present that data through a browser interface.
- **Virtual Desktop Infrastructure (VDI):** VDI is the hosting of a desktop operating system within a virtual machine (VM). The VM runs on a hosted, centralized server. Access to a VDI can be achieved with various end-point devices.
- **Virtual Machine (VM):** A VM uses specialized software to house the images of multiple servers on a single machine.
- **WebSphere Application Server (WAS):** WAS is an Enterprise IBM solution that provides the middleware infrastructure to run and monitor round-the-clock, enterprise wide java web applications.
- **Web Hosting:** Web Hosting is an Enterprise category that includes shared web services for IIS/.NET and LAMP technologies. These technologies include both public facing and private facing web sites located on State infrastructure.
- **Web Utility:** Web Utility is an enterprise category which includes utility products related to web applications and infrastructure. Products in this category include AppViewX, (a certificate management tool), SynRecovery,

uDeploy (an application deployment automation tool), TFS, CSS, SVN, and GIT (all Code Repositories), Print Services, and Tidal (a batch scheduler service), and load balancing services.

- **zOS Data Storage:** zOS Data Storage provides direct access storage and is measured in gigabytes. The storage is allocated for the customer and SDC data.
- **zOS DB2:** The DB2 Service Unit is a translation of resources used by the DB2 product.
- **zOS Enterprise Data Backup:** zOS Enterprise Data Backup is the utilization of data storage on tape format and on HSM DASD. Utilization of storage is measured in gigabytes allocated to the customer and the SDC. (This was previously called DSM.)
- **zOS IDMS:** zOS IDMS run unit is an online or batch request to access data managed by the IDMS database system.

State Data Center
Budget Summary

	FY17 CAP	FY18 CAP
Personal Services	6,011,607	5,623,727
Employee Benefits	2,695,005	2,599,937
Expense and Equipment	24,087,311	26,917,225
Total Budgeted Costs	32,793,923	35,140,889

Budget Details

Number	Description	FY17 CAP	FY18 CAP
	Personal Services	6,011,607	5,623,727
	Fringe Benefits	2,695,005	2,599,937
	Total Personal Services and Fringe Benefits	**8,706,612**	**8,223,663**
	Hardware Lease		
103	CPU	573,990	573,990
105	DASD	432,242	108,061
106	DASD Growth	325,000	141,318
107	Deduplication/Replication HardwareLease	265,000	458,000
108	Disaster Recovery CPU (Springfield Site)	242,823	240,000
113	SAN DASD	1,169,215	860,000
	Total Hardware Lease	**3,008,270**	**2,381,369**
	Hardware Maintenance		
205	DASD	68,000	230,000
206	Data Domain Server and Storage Maintenance	125,000	300,000
207	DistSys Backup Admin Servers Maint (TSM Win)	8,000	10,000
210	DistSys Fax Server Host Maintenance	7,918	7,918
214	External Coupling Facility	22,950	25,240
222	Print Burster/Trimmer/Stacker	120,000	110,000
223	Print Usage	165,000	150,000
224	Printer-Impact	5,000	5,000
225	Printer-Laser	74,000	86,000
229	Remote Server Maintenance	10,000	10,000
230	Service Processor	7,560	7,560
231	SAN Sever and Storage Maintenance	100,000	325,000
233	GTX Qualifier Maintenance	3,000	3,000
237	z/OS Virtual Tape	30,000	95,000
238	VM Server and Storage Maintenance	40,000	40,000
239	Batteries/UPS Maintenance	59,160	70,000
240	Generator Maintenance	8,129	8,129
243	VDI Server Maintenance	42,000	10,000
244	VDI Storage Maintenance	132,000	32,000
245	DistSys SVC Hardware Maint	20,000	10,000
246	QCX E138 MICR Verifier	1,395	1,395
	Total Hardware Maintenance	**1,049,112**	**1,536,242**
	Software Lease		
303	Softek TDMF Replicator for zOS	48,141	27,000
305	BMC Mainview	115,791	115,791
306	CICS Transaction Gateway	51,666	55,000
307	CICS/TS V5	1,168,742	888,000
308	COBOL for MVS	159,361	112,000
309	Mackinney Software	8,800	8,800

Number	Description	FY17 CAP	FY18 CAP
311	AFP Toolbox (Toolkit)	3,540	3,752
313	DSF/DSS/HSM	144,667	144,667
321	Interactive Output Facility (IOF)	6,032	6,273
324	WebSphere MQ for Z/OS	473,502	391,500
328	OGL	6,218	6,218
329	OS/390	2,248,285	1,820,000
330	Page Print Format Aid/370 V1 PPFA	4,362	4,624
331	Enterprise PL/1 Alternate Function	146,192	105,000
332	PSF	54,318	54,059
333	SDF II	30,938	33,000
338	DB2 for Z/OS V9	1,058,432	827,000
340	Microsoft Server Operating System Subsc.	0	170,000
341	UDB - DB2 Utilities Suite	32,923	40,000
342	Symantec EndPoint Protection Subsc. - Remote Server Support	20,000	20,000
343	Antivirus for Exchange	115,000	120,000
344	Vmware vCloud Enterprise Suite	671,839	660,000
345	SiteScan	50,000	50,000
347	BMC TMART	3,000	0
349	Lansweeper	900	902
350	Precise	20,949	22,000
351	Kiwi Syslog	702	702
352	Microsoft System Center Suite	7,500	7,500
353	Solarwinds NPM	8,563	8,500
354	Solarwinds SAM	8,540	7,000
355	Solarwinds NTA	4,942	5,000
356	Orion Polling Engines	12,949	62,236
357	Orion Web Server	92	92
359	BMC Structured Payment	410,500	410,500
360	IBM SKLM encryption licenses	10,000	10,000
361	Splunk Logging	83,500	100,000
362	Load Runner	35,000	35,000
363	EMC Software ELA	170,000	251,216
364	Solarwinds WPM	0	5,354
	Total Software Lease	**7,395,886**	**6,588,686**
	Software Maintenance		
401	Axceler ControlPoint - SharePoint Internal	26,208	26,208
403	CA COOL: Gen (ALL Fusion)	32,933	32,933
404	CA Interest W/XA-ESA-Batch	48,152	48,152
405	CA Interest W/XA-ESA-CICS	69,418	72,195
406	CA Librarian	109,207	109,207
408	CA Restart/Recover (CA11)	40,022	40,022
410	CA Scheduling Package (CA7)	164,370	164,370
411	CA TMS (CA1)	68,000	68,000
412	CA UNIPAK	1,162,884	1,162,884
414	Omegamon for CICS	40,142	44,156
415	CL/Supersession for z/OS	68,985	74,000
416	IBM Tivoli Omegamon XE DB2 V4	83,120	108,433
417	IBM Tivoli Omegamon XE z/OS V2	95,292	94,000
419	DB2 Connect	43,492	36,000
420	SEA JCL Plus	20,475	20,475
421	Document Management Systems (MOBIUS)	92,812	96,524
422	Dumpmaster MVS	109,421	115,809
423	Group 1 Software MailStream	25,925	0
424	Group 1 Software Zip+4	12,695	36,192

Number	Description	FY17 CAP	FY18 CAP
426	Symantec EndPoint Protection Subsc.	2,000	2,000
427	Red Hat Enterprise\Network Satellite Maint	60,000	80,000
428	Tivoli WAS\ND	139,906	139,906
429	Insync MVS	93,211	97,102
431	Tic Toc	7,912	8,228
432	DB2 LUW	8,943	0
433	Symantec EndPoint Protection Subsc. - VM	20,000	20,000
434	Connect:Direct	14,863	15,458
435	Merrill Consultants MXG	1,560	1,560
436	MVS Quick Reference	34,401	35,777
438	DistSys SSL Certificates	3,500	3,500
439	MoveIT Software Maint	6,252	9,615
440	Platinum DB2 Tools	781,536	781,536
441	RevealNet Reveal for DB2	90,000	90,000
442	MicroSoft Team Foundation Software Subscription	2,565	2,565
443	SAS Base	152,023	136,821
444	SAS/STAT	105,942	95,348
445	SAS/ACCESS	101,867	91,680
446	Rocket Software	25,000	25,000
447	SAS/ETS	105,942	95,348
448	EMC VTL License	15,000	15,000
451	SA Licenses for SQL	269,379	720,000
452	SI SYNC/SORT	29,719	29,719
453	SynRecovery software	1,000	1,000
454	SPC Systems Cobol RW Precompiler	2,935	3,052
456	Distributed Print Software Maintenance	37,250	0
457	DistSys Biscom Software Maintenance	10,000	20,000
458	DistSys SSRS Software Maintenance	17,981	24,210
460	Tivoli Storage Management	200,000	40,000
461	Maintenance for Foglight Replacement	10,000	0
462	Synthetic Monitoring Tool Maintenance	20,000	50,000
463	Vanguard Administration	59,260	64,001
465	Print Utilities Ricoh	0	75,000
466	CVS\SVN\GIT Maint	0	10,010
467	NETSCALER MAINTENANCE	42,120	42,120
468	SQL	105,977	105,977
469	VMWare Software Maintenance	247,042	261,400
470	Microsoft VDA Licensing (Software Subscription)	225,250	400,416
471	Catalog Recovery Software - zOS Enterprise Data Backup	5,405	5,405
472	SDI TN3270 Emulation	12,036	12,036
473	DB2 Maintenance	0	578,612
474	Software - Maintenance Renewals AD/Exchange	55,579	74,000
477	SAN Software	200,000	738,000
478	Vranger Software Maintenance	30,000	30,000
480	DistSys SolarWinds Storage Manager Maint	8,500	8,500
482	Software - Maintenance Renewals SharePoint	5,000	5,000
483	JIRA Software Maintenance plus plugin	10,868	10,868
486	z/OS Pitney Bowes Mail360	16,223	16,223
487	Solimar	15,750	15,750
488	NOC System Maintenance	20,000	0
489	uDeploy software Maintenance	0	50,000
490	Rocket software Fast Audit & Catalog audit	26,000	26,000
491	ITSM Tool Maintenance	0	120,000
492	Microsoft Exchange Server SA	0	448,257
493	IT Switch Moveit 2nd License	24,960	24,960

Number	Description	FY17 CAP	FY18 CAP
494	Tidal License	12,522	41,460
495	Master Tidal License Standalone Production	8,447	0
496	Windows Agent (ELA)	20,491	0
497	Plesk Maintenance	2,200	0
498	Enterprise OnBase Licenses	208,959	208,959
499	AppViewX Software Maintenance	14,800	14,800
	Total Software Maintenance	**6,061,629**	**8,371,739**
	Hardware Purchase		
503	Deduplication/Replication Purchase - DistSys Backup-Recovery	700,000	700,000
506	Desktop Computer Equipment	8,681	8,681
509	Tools for Staff	70,000	40,000
510	Servers - AD/Exchange	48,000	48,000
514	VM Hardware Purchase	889,836	760,000
516	VDI End-Point Device	382,500	382,500
517	VDI Server and Upgrades	20,000	225,000
518	VDI Storage and Upgrades	190,000	120,000
519	DistSys SAN Hardware Upgrade	1,485,000	1,485,000
520	z/OS InfoPrint Hardware Purchase	140,000	225,000
528	DistSys Biscom Additional Fax Servers for Growth	9,000	9,000
529	Exchange Growth	40,000	40,000
530	Enterprise Vault Growth	50,000	50,000
532	NOC - Desktop Computer Equipment	3,200	3,200
533	zOS Data Backup Purchse	300,000	300,000
534	Netscaler appliance Upgrade	0	580,000
535	OpNet - River Bed Appliance Upgrade	0	200,000
536	Security Review Audit	0	30,000
537	Plesk License Purchase	0	12,000
538	Box software subscription	0	54,360
	Total Hardware Purchase	**4,336,217**	**5,272,741**
	Software Purchase		
601	Enterprise License for SQL (New)	240,000	240,000
606	TSM Software Purchase	60,000	60,000
607	VM Software Purchase	167,000	540,000
608	Vranger License Enhancement	41,000	41,000
609	VMWare View Licensing	86,000	86,000
615	DistSys Biscom Enterprise Fax Software	60,000	75,000
616	Microsoft Server Operating System Purchase	25,000	0
618	Microsoft System Center Suite	30,000	30,000
620	Foglight license purchase/maintenance	40,000	100,000
622	New Enterprise Modules	42,000	42,000
626	BMC BPPM	100,000	25,000
627	BMC Dashboards	50,000	0
628	Logging Software - Splunk	150,000	300,000
629	Monitoring and Tracking Software	120,000	182,500
633	Exchange Server License Purchase	65,000	65,000
634	Enterprise Vault Renewal	180,000	210,000
635	*Proofpoint Mail Relay Software (90% of total cost)	477,000	374,400
636	Quadrotech Flightdeck PST software	15,000	15,000
638	BMC TrueSight	500,000	0
640	SQL Software	330,875	330,875
641	MySQL Software	111,218	111,218
644	Tableau License	17,685	17,685
645	Additional 26 Client licenses	24,960	27,040

Number	Description	FY17 CAP	FY18 CAP
647	uDeploy additional Agents	0	50,277
648	AppViewX additional licenses	0	188
653	AD/EXCHANGE Quest MA	0	41,122
654	Rave Texting	0	1,000
	Total Software Purchase	**2,932,738**	**2,965,305**
	Expendable Supplies		
704	Paper	300,000	400,000
705	Paper Storage and Transport-Fund Transfer F.M.	5,000	0
706	Printer Supplies	150,000	185,000
	Total Expendable Supplies	**455,000**	**585,000**
	General Support Expense		
802	Consulting Service	60,000	50,000
807	IBM Server Support Line	45,000	45,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
811	Office Supplies, Equipment and Maintenance	12,500	50,000
812	Pagers & Cell Phones	8,000	16,000
813	Electrical Distribution, Maintenance	100,000	45,000
814	Postage/Inter Agency Mail Delivery	4,000	1,500
815	Printing and Binding	3,500	1,500
816	Racks, Cabinets, Furniture & Building Changes	100,000	60,000
818	S390 SoftwarExcel	158,980	174,878
820	Subscriptions & Publications	7,000	7,500
821	Telephone Service and Equipment	57,500	70,000
822	Training & Professional Development	10,000	22,500
823	Travel	15,000	27,000
824	Resource Oversight	35,000	35,000
825	VPN - Access Charge	3,000	3,000
827	SSL Certificates	4,000	2,000
828	Service Deployment Appliance	65,000	65,000
829	Shredding	1,500	2,000
830	SAN/NAS Support Line	30,000	20,000
831	Disaster Recovery Rental (Springnet)	115,000	450,000
832	Disaster Recovery Electric (Springnet)	38,000	111,000
833	RedHat/JBoss Support	6,000	0
835	AD & Exchange Contractor Services	50,000	50,000
836	AD & Exchange Training\Travel\Tools for Staff	22,500	22,500
837	FTP Staff Training\Travel\Tools for Staff	0	1,500
838	SAN Training\Travel\Tools for Staff	15,000	15,000
839	SQL Training \Travel\Tools for Staff	50,000	50,000
840	SharePoint Training \Travel\Tools for Staff	24,976	24,976
841	VM Training\Travel\Tools for Staff	5,000	5,000
842	TSM Training\Travel\Tools for Staff	10,000	10,000
844	Remote Server Support Training\Travel\Tools for Staff	5,000	0
845	WAS Training\Travel\Tools for Staff	18,000	9,000
848	VM Additional Charges for SharePoint	638	638
853	SSRS Training\Travel\Tools for Staff	2,000	2,000
857	Compco Software and Billing Expenses	98,000	98,000
858	Fiscal Costs	3,500	7,500
859	CPU Training\Travel\Tools for Staff	30,000	30,000
860	CICS Training\Travel\Tools for Staff	10,000	10,000
863	Watson & Walker Publication	1,323	1,323
869	SSL Training\Travel\Tools for Staff	12,600	8,000
870	Advantage Cert for AppViewX - SSL Certificate	188	0

Number	Description	FY17 CAP	FY18 CAP
872	NOC Training \Travel\Tools for Staff	35,000	35,000
873	Staff Training	19,500	19,500
874	VDI\Workstation	6,000	8,000
875	Microsoft Services for TFS Upgrade	10,000	0
876	Proofpoint consulting/support services	10,000	10,000
879	Biscom Tools, Utilities, Traning	2,500	2,500
880	JIRA Training\Travel\Tools for Staff	1,500	1,500
881	MySQL Training \Travel\Tools for Staff	5,000	5,000
882	DB2 LUW Training\Travel\Tools for Staff	0	60,000
883	Tableau Training\Travel\Tools for Staff	3,500	2,000
884	ITSM Training	0	22,000
	Total General Support Expense	**1,443,505**	**1,882,615**
	Cost Adjustment		
901	AD & Exchange Capital Cost	-875,000	-138,000
902	AD & Exchange Depreciation	305,287	62,805
909	CPU Capital Cost	-237,661	0
910	CPU Depreciation	373,505	108,126
911	DistSys Backup-Recovery Capital Cost	-801,000	-760,000
912	DistSys Backup-Recovery Depreciation	479,688	328,274
913	Enterprise Fax Capital Cost	-9,000	-9,000
914	Enterprise Fax Depreciation	9,248	12,872
919	Indirect Capital Cost	-165,000	-79,360
920	Indirect Depreciation	112,112	0
923	Print Capital Cost	-140,000	-225,000
924	Print Depreciation	118,568	107,087
927	Remote Server Support Capital Cost	-25,000	0
928	Remote Server Support Depreciation	8,333	0
929	SAN Capital Cost	-1,485,000	-1,485,000
930	SAN Depreciation	1,038,081	1,080,145
935	SQL Capital Cost	-330,875	-342,525
936	SQL Depreciation	110,292	172,791
941	VDI Capital Cost	-106,000	-345,000
942	VDI Depreciation	58,207	231,512
943	VM Capital Cost	-1,096,836	-1,300,000
944	VM Depreciation	920,743	1,154,848
947	zOS Data Storage	0	42,767
951	zOS Enterprise Data Backup Capital Cost	-300,000	-300,000
952	zOS Enterprise Data Backup Depreciation	208,303	109,890
959	NOC Capital Cost	-953,200	-706,500
960	NOC Depreciation	317,734	200,000
967	OnBase ECM Capital Cost	-42,000	-204,480
968	OnBase ECM Depreciation	14,000	46,497
971	MySQL Capital Cost	-111,218	-111,218
972	MySQL Utility Depreciation	37,073	58,788
975	Tableau Utility Capital Cost	-42,645	-17,685
976	Tableau Depreciation	14,215	3,537
977	WAS Depreciation	0	95,357
978	Web Utility Capital Cost	0	-580,000
979	Web Utility Depreciation	0	122,000
	Total Cost Adjustment	**-2,595,046**	**-2,666,472**
	Total Expense and Equipment	**24,087,310**	**26,917,225**
	Grand Total	**32,793,922**	**35,140,889**

Category # 1   Lines/Feet Printed

Utilization	**58,364,000**	**57,800,000**
Duplex 80%		
Impact Print per 1,000 Lines		

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	299,505	244,668
Fringe Benefits	134,268	109,685
Personal Services	433,773	354,353
222 Print Burster/Trimmer/Stacker	120,000	110,000
223 Print Usage	165,000	150,000
224 Printer-Impact	5,000	5,000
225 Printer-Laser	74,000	86,000
246 QCX E138 MICR Verifier	1,395	1,395
311 AFP Toolbox (Toolkit)	3,540	3,752
328 OGL	6,218	6,218
330 Page Print Format Aid/370 V1 PPFA	4,362	4,624
332 PSF	54,318	54,059
456 Distributed Print Software Maintenance	37,250	0
520 z/OS InfoPrint Hardware Purchase	140,000	225,000
Hardware/Software Expense & Equipment Total	**611,083**	**646,048**
704 Paper	300,000	400,000
705 Paper Strg/Transport-Fund Transfer F.M.	5,000	0
706 Printer Supplies	150,000	185,000
Expendable Supplies Total	**455,000**	**585,000**
829 Shredding	1,500	2,000
General Support Expense Total	1,500	2,000
Depreciation	118,568	107,087
Capital Purchases	(140,000)	(225,000)
Job Costs	94,705	146,490
Indirect Cost	99,810	99,672
Total Service Costs	**1,674,439**	**1,715,650**
Estimated Revenue	**1,674,439**	**1,715,650**
Print Transaction Rate	**$0.0287**	**$0.0297**
	Per Foot	Per Foot
Duplex Transaction Rate	**$0.0230**	**$0.0237**
	Per Foot	Per Foot
Impact Print (per 1,000) Transaction Rate	**$0.3422**	**$0.3540**

Category # 2   CPU Service Units

Utilization		1,230,000,000,000	1,200,000,000,000

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		353,733	422,513
Fringe Benefits		158,579	189,413
Personal Services		512,312	611,926
103	CPU	573,990	573,990
108	Disaster Recovery CPU (Springfield Site)	242,823	240,000
214	External Coupling Facility	22,950	25,240
230	Service Processor	7,560	7,560
239	Batteries/UPS Maintenance	59,160	70,000
240	Generator Maintenance	8,129	8,129
305	BMC Mainview	115,791	115,791
308	COBOL for MVS	159,361	112,000
309	Mackinney Software	8,800	8,800
321	Interactive Output Facility (IOF)	6,032	6,273
329	OS/390	2,248,285	1,820,000
331	Enterprise PL/1 Alternate Function	146,192	105,000
404	CA Interest W/XA-ESA-Batch	48,152	48,152
406	CA Librarian	109,207	109,207
408	CA Restart/Recover (CA11)	40,022	40,022
410	CA Scheduling Package (CA7)	164,370	164,370
414	Omegamon for CICS	68,985	44,156
415	CL/Supersession for z/OS	95,292	74,000
417	IBM Tivoli Omegamon XE z/OS V2	20,475	94,000
420	SEA JCL Plus	92,812	20,475
421	Document Management Systems (MOBIUS)	109,421	96,524
422	Dumpmaster MVS	25,925	115,809
424	Group 1 Software Zip+4	12,695	36,192
429	Insync MVS	93,211	97,102
431	Tic Toc	7,912	8,228
434	Connect:Direct	14,863	15,458
435	Merrill Consultants MXG	1,560	1,560
436	MVS Quick Reference	34,401	35,777
443	SAS Base	152,023	136,821
444	SAS/STAT	105,942	95,348
445	SAS/ACCESS	101,867	91,680
447	SAS/ETS	105,942	95,348
452	SI SYNC/SORT	29,719	29,719
454	SPC Systems Cobol RW Precompiler	2,935	3,052
463	Vanguard Administration	59,260	64,001
472	SDI TN3270 Emulation	12,036	12,036
486	z/OS Pitney Bowes Mail360	16,223	16,223
487	Solimar	15,750	15,750
506	Desktop Computer Equipment	8,681	8,681
509	Tools for Staff	70,000	40,000
536	Security Review Audit	0	30,000
831	Disaster Recovery Rental (Springnet)	115,000	0
832	Disaster Recovery Electric (Springnet)	38,000	0
Hardware/Software Expense & Equipment Total		**5,371,754**	**4,732,474**

Expendable Supplies Total		0	0
818	S390 SoftwarExcel	158,980	174,878
859	CPU Training\Travel\Tools for Staff	30,000	30,000
863	Watson & Walker Publication	1,323	1,323
General Support Expense Total		**190,303**	**206,201**
Depreciation		373,505	108,126
Capital Purchases		(237,661)	0
Job Costs		397,412	911,837
Indirect Cost		1,494,202	383,820
Total Service Costs		**8,101,827**	**6,954,384**
Estimated Revenue		**8,101,827**	**6,954,384**
Transaction Rate		**$0.0066**	**$0.0058**
		Per 1,000 Service Units	Per 1,000 Service Units

Prime/Peak Time Utilization for CPU will be billed at 100% of the CPU Rate

Non-Prime/Off Hours Utilization for CPU will be billed at 75% of the CPU Rate.

Low Priority Utilization for CPU will be billed at 65% of the CPU Rate.

Category # 3   CICS Transactions

Utilization		2,186,582,450	2,050,000,000

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		93,960	61,908
Fringe Benefits		42,122	27,753
Personal Services		136,082	89,661
306	CICS Transaction Gateway	51,666	55,000
307	CICS/TS V5	1,168,742	888,000
324	WebSphere MQ for Z/OS	473,502	391,500
333	SDF II	30,938	33,000
405	CA Interest W/XA-ESA-CICS	69,418	72,195
414	Omegamon for CICS	40,142	46,806
Hardware/Software Expense & Equipment Total		**1,834,408**	**1,486,501**
Expendable Supplies Total		**0**	**0**
860	CICS Training\Travel\Tools for Staff	10,000	10,000
General Support Expense Total		**10,000**	**10,000**
Depreciation		0	0
Capital Purchases		0	0
Job Costs		126,738	165,913
Indirect Cost		68,071	107,586
Total Service Costs		**2,175,299**	**1,859,661**
Estimated Revenue		**2,175,299**	**1,859,661**
Transaction Rate		**$0.0010**	**$0.0009**
		Per Transaction	Per Transaction

Category # 5   zOS Data Backup GB/Day

			Utilization	133,806,080	155,000,000

Budgeted Costs				FY17 CAP	FY18 CAP
Direct Personnel				59,250	67,728
Fringe Benefits				26,561	30,362
Personal Services				85,811	98,090
	233	GTX Qualifier Maintenance		3,000	3,000
	237	z/OS Virtual Tape		30,000	95,000
	411	CA TMS (CA1)		68,000	68,000
	446	Rocket Software		25,000	25,000
	448	EMC VTL License		15,000	15,000
	471	Catalog Recovery Software - zOS Data Backup		5,405	5,405
	533	zOS Data Backup Purchase		300,000	300,000
Hardware/Software Expense & Equipment Total				**446,405**	**511,405**
Expendable Supplies Total				**0**	**0**
General Support Expense Total				0	0
Depreciation		J952		208,303	109,890
Capital Purchases				(300,000)	(300,000)
Job Costs				28,190	43,464
Indirect Cost				90,521	28,446
Total Service Costs				559,230	491,295
Estimated Revenue				**559,230**	**491,295**
Transaction Rate				**$0.0042**	**$0.0032**
				Per GB Per Day	Per GB Per Day

Category # 7   AD\Exchange

Utilization AD/Exchange		**527,784**	**525,565**
Utilization AD User ID		**762,000**	**260,388**

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		497,437	497,953
Fringe Benefits		223,001	223,232
Personal Services		**720,438**	**721,185**
343	Antivirus for Exchange	115,000	120,000
438	DistSys SSL Certificates	3,500	3,500
474	Software - Maintenance Renewals AD/Exchange	55,579	74,000
510	Servers - AD/Exchange	48,000	48,000
514	VM Hardware	10,000	0
529	Exchange Growth	40,000	40,000
530	Enterprise Vault Growth	50,000	50,000
633	Exchange Server License Purchase	65,000	65,000
634	Enterprise Vault Renewal	180,000	210,000
635	*Proofpoint Mail Relay Software (90% of total cost)	477,000	374,400
636	Quadrotech Flightdeck PST software	15,000	15,000
653	AD/EXCHANGE Quest MA		41,122
Hardware/Software Expense & Equipment Total		**1,059,079**	**1,041,022**
Expendable Supplies Total		**0**	**0**
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
835	AD & Exchange Contractor Services	50,000	50,000
836	AD & Exchange Training\Travel\Tools for Staff	22,500	22,500
876	Proofpoint consulting/support services	10,000	10,000
General Support Expense Total		**195,300**	**195,300**

Depreciation	J902	305,287	62,805
Capital Purchases		(875,000)	(138,000)
Job Costs		89,847	1,331,538
Indirect Cost		1,292,205	127,673
Total Service Costs		**2,787,156**	**3,341,523**
Estimated Revenue		**2,787,156**	**3,341,523**

		AD-Exchange Rate	AD-Exchange Rate
Transaction Rate	**90%**	**$4.75**	**$5.72**

		AD User ID Rate	AD User ID Rate
Transaction Rate	**10%**	**$0.37**	**$1.28**

Category # 8   zOS Data Storage GB/Day

Utilization		26,163,200	11,000,000

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		45,432	53,004
Fringe Benefits		20,367	23,762
Personal Services		65,799	76,766
105	DASD	432,242	108,061
106	DASD Growth	325,000	141,318
205	DASD	68,000	230,000
303	Softek TDMF Replicator for zOS	48,141	27,000
313	DSF/DSS/HSM	144,667	144,667
360	IBM SKLM encryption licenses	10,000	10,000
490	Rocket software Fast Audit & Catalog audit	26,000	26,000
Hardware/Software Expense & Equipment Total		**1,054,050**	**687,046**
Expendable Supplies Total		**0**	**0**
General Support Expense Total		0	0
Depreciation		0	42,767
Capital Purchases		0	0
Job Costs		71,663	79,481
Indirect Cost		0	54,709
Total Service Costs		**1,191,512**	**940,768**
Estimated Revenue		**1,191,512**	**940,768**
Transaction Rate		**$0.0455**	**$0.0855**
		Per GB Per Day	Per GB Per Day

Category # 10   zOS IDMS

Utilization	**358,018,159**	**358,018,159**

Budgeted Costs	**FY17 CAP**	**FY18 CAP**
Direct Personnel	96,724	94,176
Fringe Benefits	43,361	42,219
Personal Services	140,085	136,395
412 CA UNIPAK	1,162,884	1,162,884
Hardware/Software Expense & Equipment Total	**1,162,884**	**1,162,884**
Expendable Supplies Total	**0**	**0**
General Support Expense Total	0	0
Depreciation	0	0
Capital Purchases	0	0
Job Costs	83,381	131,613
Indirect Cost	150,991	88,127
Total Service Costs	**1,537,341**	**1,519,019**
Estimated Revenue	**1,537,341**	**1,519,019**
Transaction Rate	**$0.0043** Per Run Unit	**$0.0042** Per Run Unit

Category # 11   zOS DB2

Utilization		1,151,366,410,556	870,000,000,000

Budgeted Costs		**FY17 CAP**	**FY18 CAP**
Direct Personnel		193,448	218,868
Fringe Benefits		86,723	98,119
Personal Services		280,171	316,987
338	DB2 for Z/OS V9	1,058,432	827,000
341	UDB - DB2 Utilities Suite	32,923	40,000
416	IBM Tivoli Omegamon XE DB2 V4	83,120	108,433
419	DB2 Connect	43,492	36,000
432	DB2 LUW	8,943	0
440	Platinum DB2 Tools	781,536	781,536
441	BMC SQL Performance	90,000	90,000
Hardware/Software Expense & Equipment Total		**2,098,446**	**1,882,969**
Expendable Supplies Total		**0**	**0**
General Support Expense Total		0	0
Depreciation		0	0
Capital Purchases		0	0
Job Costs		152,216	239,778
Indirect Cost		183,448	149,218
Total Service Costs		**2,714,281**	**2,588,953**
Estimated Revenue		**2,714,281**	**2,588,953**
Transaction Rate		**$0.0024**	**$0.0030**
		Per 1,000 Service Units	Per 1,000 Service Units

Category # 14   All Fusion

Utilization	**6,353,044,312**	**1,800,000,000**

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	41,453	0
Fringe Benefits	18,583	0
Personal Services	60,036	0
403 CA COOL: Gen (ALL Fusion)	32,933	32,933
Hardware/Software Expense & Equipment Total	**32,933**	**32,933**
Expendable Supplies Total	**0**	**0**
General Support Expense Total	0	0
Depreciation	0	0
Capital Purchases	0	0
Job Costs	5,949	3,245
Indirect Cost	0	2,234
Total Service Costs	**98,918**	**38,412**
Estimated Revenue	**98,918**	**38,412**
Transaction Rate	**$0.0156**	**$0.0213**
	Per 1,000 Service Units	Per 1,000 Service Units

Category # 15   VM

			FY17 CAP	FY18 CAP
Utilization			**26,256**	**30,000**

Budgeted Costs			FY17 CAP	FY18 CAP
Direct Personnel			248,719	250,566
Fringe Benefits			111,501	112,329
Personal Services			360,220	362,895
	238	VM Server and Storage Maintenance	40,000	40,000
	344	Vmware vCloud Enterprise Suite	671,839	660,000
	427	Red Hat Enterprise\Network Satellite Maint	60,000	80,000
	433	Symantec EndPoint Protection Subsc. - VM	20,000	20,000
	514	VM Hardware Purchase	889,836	760,000
	607	VM Software Purchase	167,000	540,000
	620	Foglight license purchase/maintenance	40,000	100,000
Hardware/Software Expense & Equipment Total			**1,879,777**	**2,200,000**
Expendable Supplies Total			**0**	**0**
	807	IBM Server Support Line	45,000	45,000
	841	VM Training\Travel\Tools for Staff	5,000	5,000
General Support Expense Total			**50,000**	**50,000**
Depreciation	J944		920,743	1,154,848
Capital Purchases			(1,096,836)	(1,300,000)
Job Costs			135,276	467,173
Indirect Cost			516,303	167,382
Total Service Costs			**2,765,483**	**3,102,298**
Estimated Revenue			**2,765,483**	**3,102,298**
Transaction Rate			**$105.33**	**$103.41**
			Per Image Per Month	Per Image Per Month

An additional charge of $7 per Month extra for every one (1) gb of memory over our standard Configuration.

An additional charge of $11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs..

Category # 16   SAN

	FY17	FY18
Utilization	12,327,322	15,000,000

Budgeted Costs		**FY17 CAP**	**FY18 CAP**
Direct Personnel		82,906	92,568
Fringe Benefits		37,167	41,498
Personal Services		120,073	134,066
113	SAN DASD	1,169,215	860,000
231	SAN Sever and Storage Maintenance	100,000	325,000
245	DistSys SVC Hardware Maint	20,000	10,000
477	SAN Software	200,000	738,000
480	DistSys SolarWinds Storage Manager Maint	8,500	8,500
519	DistSys SAN Hardware Upgrade	1,485,000	1,485,000
Hardware/Software Expense & Equipment Total		**2,982,715**	**3,426,500**
Expendable Supplies Total		**0**	**0**
830	SAN/NAS Support Line	30,000	20,000
838	SAN Training\Travel\Tools for Staff	15,000	15,000
General Support Expense Total		45,000	35,000
Depreciation		1,038,081	1,080,145
Capital Purchases		(1,485,000)	(1,485,000)
Job Costs		172,838	314,415
Indirect Cost		146,152	216,419
Total Service Costs		**3,019,859**	**3,721,545**
Estimated Revenue		**3,019,859**	**3,721,545**
Transaction Rate		**$0.2450**	**$0.2481**
		Per GB Per Month	Per GB Per Month

Category # 17   Physical Server Support

Utilization	**1,368**	**1,051**

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	55,271	52,143
Fringe Benefits	24,778	23,376
Personal Services	80,049	75,519
426 Symantec EndPoint Protection Subsc.	2,000	2,000
Hardware/Software Expense & Equipment Total	**2,000**	**2,000**
Expendable Supplies Total	**0**	**0**
General Support Expense Total	0	0
Depreciation	0	0
Capital Purchases	0	0
Job Costs	5,251	7,639
Indirect Cost	116,921	5,258
Total Service Costs	**204,221**	**90,416**
Estimated Revenue	**204,221**	**90,416**
Transaction Rate	**$149.2844** Per Server Per Month	**$86.0283** Per Server Per Month

Category # 19   DistSys Backup-Recovery

Utilization		**1,011,020,800**	**990,000,000**

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		165,812	157,392
Fringe Benefits		74,334	70,559
Personal Services		240,146	227,951
107	Deduplication/Replication HW Lease	265,000	458,000
206	Data Domain Server/Storage Maintenance	125,000	300,000
207	DistSys Backup Admin Srvr Maint (TSM Win)	8,000	10,000
363	EMC Software ELA	170,000	251,216
460	Tivoli Storage Management	200,000	40,000
478	Vranger Software Maintenance	30,000	30,000
503	Deduplication/Replct Purchase-DistBU-Rcvry	700,000	700,000
606	TSM Software Purchase	60,000	60,000
608	Vranger License Enhancement	41,000	41,000
Hardware/Software Expense & Equipment Total		**1,599,000**	**1,890,216**
Expendable Supplies Total		**0**	**0**
842	TSM Training\Travel\Tools for Staff	10,000	10,000
General Support Expense Total		10,000	10,000
Depreciation	J912	479,688	328,274
Capital Purchases		(801,000)	(760,000)
Job Costs		97,771	199,323
Indirect Cost		213,487	115,066
Total Service Costs		**1,839,092**	**2,010,830**
Estimated Revenue		**1,839,092**	**2,010,830**
Transaction Rate		**$0.0018**	**$0.0020**
		Per GB Per Day	Per GB Per Day

Category # 21   WAS

Utilization		13,620	13,000

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		132,650	128,774
Fringe Benefits		59,467	57,729
Personal Services		**192,117**	**186,503**
428	Tivoli WAS\ND	139,906	139,906
Hardware/Software Expense & Equipment Total		**139,906**	**139,906**
Expendable Supplies Total		**0**	**0**
845	WAS Training\Travel\Tools for Staff	18,000	9,000
General Support Expense Total		18,000	9,000
Depreciation	J946	0	95,357
Capital Purchases		0	0
Job Costs		22,399	131,341
Indirect Cost		205,814	29,218
Total Service Costs		**578,236**	**591,325**
Estimated Revenue		**578,236**	**591,325**
Transaction Rate		**$42.45** Per JVM Heap Size	**$45.49** Per JVM Heap Size

Category # 23 SQL

Utilization-Base	**43%**	**39,756**	**41,600**
Utilization-Memory per GB	**4%**	**17,940**	**23,000**
Utilization-Overage GB per Month	**30%**	**789,264**	**950,000**
Utilization-License per Month	**23%**	**5,544**	**6,400**

Budgeted Costs		**FY17 CAP**	**FY18 CAP**
Direct Personnel		555,472	526,828
Fringe Benefits		249,018	236,177
Personal Services		804,490	763,005
451	SA Licenses for SQL	269,379	720,000
601	Enterprise License for SQL (New)	240,000	240,000
640	SQL Software	330,875	330,875
Hardware/Software Expense & Equipment Total		**840,254**	**1,290,875**
Expendable Supplies Total		**0**	**0**
839	SQL Training \Travel\Tools for Staff	50,000	50,000
General Support Expense Total		50,000	50,000
Depreciation	J936	110,292	172,791
Capital Purchases		(330,875)	(342,525)
Job Costs		94,336	679,663
Indirect Cost		1,004,822	131,189
Total Service Costs		**2,573,319**	**2,744,998**
Estimated Revenue		**2,573,319**	**2,744,998**
Base Transaction Rate		**27.83**	**28.37**
Memory Transaction Rate		**4.30**	**4.77**
Overage Transaction Rate		**0.98**	**0.87**
License Transaction Rate		**106.76**	**98.65**

Category # 26   Remote Server Support

Utilization		3,636	3,200

Budgeted Costs		**FY17 CAP**	**FY18 CAP**
Direct Personnel		179,630	179,877
Fringe Benefits		80,528	80,639
Personal Services		260,158	260,516
229	Remote Server Maintenance	10,000	10,000
340	Microsoft Server Operating System Subsc.	20,000	170,000
342	Symantec EndPoint Protection Subsc.-RSS	25,000	20,000
Hardware/Software Expense & Equipment Total		**55,000**	**200,000**
Expendable Supplies Total		**0**	**0**
844	Remote Srvr Training\Travel\Tools for Staff	5,000	0
General Support Expense Total		5,000	0
Depreciation		8,333	0
Capital Purchases		(25,000)	0
Job Costs		19,421	45,380
Indirect Cost		116,921	31,236
Total Service Costs		**439,833**	**537,131**
Estimated Revenue		**439,833**	**537,131**
Transaction Rate		**$120.9662**	**$167.8536**
		Per Server Per Month	Per Server Per Month

Category # 27   VDI

Utilization			**42,250**	**49,500**

Budgeted Costs			**FY17 CAP**	**FY18 CAP**
Direct Personnel			0	0
Fringe Benefits			0	0
Personal Services			0	0
	243	VDI Server Maintenance	42,000	10,000
	244	VDI Storage Maintenance	132,000	32,000
	469	VMWare Software Maintenance	247,042	261,400
	470	Microsoft VDA Licensing (Subscription)	225,250	400,416
	492	Office 365 ProPlus	0	448,257
	516	VDI End-Point Device	382,500	382,500
	517	VDI Server and Upgrades	20,000	225,000
	518	VDI Storage and Upgrades	190,000	120,000
	609	VMWare View Licensing	86,000	86,000
Hardware/Software Expense & Equipment Total			**1,324,792**	**1,965,573**
Expendable Supplies Total			**0**	**0**
General Support Expense Total			0	0
Depreciation			58,203	231,512
Capital Purchases			(106,000)	(345,000)
Job Costs			0	0
NOC			81,719	182,506
Indirect Cost			29,230	125,623
Total Service Costs			**1,387,944**	**2,160,214**
Estimated Revenue			**1,387,944**	**2,160,214**
Transaction Rate VDI with Thin Client per month			**$32.85**	**$43.64**
Transaction Rate VDI per month				**$40.59**
Transaction Rate VDI - RDP Pool			**$8.21**	**$10.91**

An additional charge of $7 per Month extra for every one (1) gb of memory over our standard Configuration.

An additional charge of $11 per Month extra for every one (1) additional virtual CPU over 2 vCPUs..

Category # 28   sFTP

Utilization   -   37,668

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	0	28,056
Fringe Benefits	0	12,578
Personal Services	0	40,634
439 MoveIT Software Maint	0	9,615
Hardware/Software Expense & Equipment Total	**0**	**9,615**
Expendable Supplies Total	**0**	**0**
837 FTP Staff Training\Travel\Tools for Staff	0	1,500
General Support Expense Total	0	1,500
Depreciation	0	0
Capital Purchases	0	0
Job Costs	0	5,099
Indirect Cost	0	3,510
Total Service Costs	**0**	**60,358**
Estimated Revenue	**0**	**60,358**
Transaction Rate	**$0.00**	**$1.60**
	Per Unit Per Month	Per Unit Per Month

sFTP services are included in the Web Combined category for fiscal year 2017. This is separated out for FY18.

Category # 29   SharePoint

Utilization 168 168

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		165,812	133,344
Fringe Benefits		74,334	59,778
Personal Services		**240,146**	**193,122**
401	Axceler ControlPoint	26,208	26,208
482	Software - Maintenance Renewals	5,000	5,000
Hardware/Software Expense & Equipment Total		**31,208**	**31,208**
Expendable Supplies Total		**0**	**0**
840	SharePoint Training \Travel\Tools for Staff	24,976	24,976
848	VM Additional Charges	638	638
General Support Expense Total		**25,614**	**25,614**
Depreciation		0	0
Capital Purchases		0	0
Job Costs		19,004	27,756
Indirect Cost		8,469	16,953
Total Service Costs		**324,441**	**294,653**
Estimated Revenue		**324,441**	**294,653**
Transaction Rate for Base		**$1,931.20**	**$1,753.89**

Category # 32   Enterprise Fax

Utilization			2,643,307	3,250,000

Budgeted Costs			FY17 CAP	FY18 CAP
Direct Personnel			55,271	38,243
Fringe Benefits			24,778	17,144
Personal Services			80,049	55,387
	210	DistSys Fax Server Host Maintenance	7,918	7,918
	457	DistSys Biscom Software Maintenance	10,000	20,000
	528	DistSys Biscom Addtl Fax Servers for Growth	9,000	9,000
	615	DistSys Biscom Enterprise Fax Software	60,000	75,000
Hardware/Software Expense & Equipment Total			86,918	111,918
Expendable Supplies Total			0	0
	879	Biscom Tools, Utilities, Tranining	2,500	2,500
General Support Expense Total			2,500	2,500
Depreciation	J914		9,248	12,872
Capital Purchases			(9,000)	(9,000)
Job Costs			10,861	17,114
Indirect Cost			0	11,780
Total Service Costs			180,576	202,571
Estimated Revenue			180,576	202,571
Transaction Rate			**$0.068**	**$0.062**
			Per Page	Per Page

Category # 33   SSRS

Utilization for Base		**1,656**	**3,000**
	Server Core Liscense for Dedicated Systems		**76**

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		91,197	91,197
Fringe Benefits		40,884	40,884
Personal Services		132,081	132,081
458	DistSys SSRS Software Maintenance	17,981	24,210
Hardware/Software Expense & Equipment Total		**17,981**	**24,210**
Expendable Supplies Total		**0**	**0**
853	SSRS Training\Travel\Tools for Staff	2,000	2,000
General Support Expense Total		2,000	2,000
Depreciation		0	0
Capital Purchases		0	0
Job Costs		9,731	32,179
Indirect Cost		16,581	10,737
Total Service Costs		**178,374**	**201,207**
Estimated Revenue		**178,374**	**201,207**

Transaction Rate for Base		**$107.71**	**$67.07**
	For Base	**Per SSRS Instance/mon**	**Per SSRS Instance/mon**
Transaction Rate for Srvr Core Dedicated Systems			**$106.76**
			Dedicated SQL Lic/mon

Category # 34   JIRA

		FY17 CAP	FY18 CAP
Utilization		**12,000**	**15,000**

Budgeted Costs		**FY17 CAP**	**FY18 CAP**
Direct Personnel		30,399	25,129
Fringe Benefits		13,628	11,265
Personal Services		44,027	36,394
483	JIRA Software Maintenance plus plugin	10,868	10,868
Hardware/Software Expense & Equipment Total		**10,868**	**10,868**
Expendable Supplies Total		**0**	**0**
880	JIRA Training\Travel\Tools for Staff	1,500	1,500
General Support Expense Total		**1,500**	**1,500**
Depreciation		0	0
Capital Purchases		0	0
Job Costs		3,609	10,304
Indirect Cost		5,499	3,307
Total Service Costs		**65,503**	**62,373**
Estimated Revenue		**65,503**	**62,373**
Transaction Rate		**$5.46**	**$4.16**
		Per User Per Month	Per User Per Month

Category # 42   OnBase

		Utilization	34,140	44,400

Budgeted Costs			FY17 CAP	FY18 CAP
Direct Personnel			306,753	224,345
Fringe Benefits			137,517	100,574
Personal Services			444,270	324,919
	498	Enterprise OnBase Licenses	208,959	208,959
	622	New Enterprise Modules	42,000	42,000
Hardware/Software Expense & Equipment Total			**250,959**	**250,959**
Expendable Supplies Total			**0**	**0**
	873	Staff Training	19,500	19,500
General Support Expense Total			19,500	19,500
Depreciation			14,000	46,497
Capital Purchases			(42,000)	(204,480)
Job Costs			43,946	83,085
Indirect Cost			39,984	29,668
Total Service Costs			**770,659**	**550,148**
Estimated Revenue			**770,659**	**550,148**
Transaction Rate			**$22.57**	**$12.39**
			Per Unit Per Month	Per Unit Per Month

Category # 43 Web Utility

Utilization		**12,384**	**60,000**

Budgeted Costs		FY17 CAP	FY18 CAP
Direct Personnel		0	0
Fringe Benefits		0	0
Personal Services		0	0
439	MoveIT Software Maint	6,252	
442	MicroSoft Team Foundation Subscription	2,565	2,565
453	SynRecovery software	1,000	1,000
465	Print Utilities Ricoh	0	75,000
466	CVS\SVN\GIT Maint	0	10,010
467	Netscaler Maintenance	42,120	42,120
489	uDeploy software Maintenance	0	50,000
494	Tidal Maintenance	12,522	41,460
495	Tidal License	8,447	0
496	Windows Agent (ELA)	20,491	0
499	AppViewX Software Maintenance	14,800	14,800
534	Netscaler appliance Upgrade	0	580,000
646	Encapsula Service Purchase	0	0
647	uDeploy additional Agents	0	50,277
648	AppViewX additional licenses	0	188
Hardware/Software Expense & Equipment Total		**108,197**	**867,420**
Expendable Supplies Total		**0**	**0**
869	SSL Training\Travel\Tools for Staff	12,600	8,000
870	Advantage Cert for AppViewX - SSL Certificate	188	0
875	Microsoft Services for TFS Upgrade	10,000	0
General Support Expense Total		**22,788**	**8,000**
Depreciation		0	122,000
Capital Purchases		0	(580,000)
Job Costs		8,907	98,997
Indirect Cost		186,796	28,313
Total Service Costs		**326,688**	**544,730**
Estimated Revenue		**326,688**	**544,730**
Transaction Rate		**$26.38**	**$9.08**
		Per Site Per Month	Per Site Per Month

The Web Combined category was broken out into three separate categories in FY18 to more accurately bill charges. These new/revised categories are Web Utility, Web Hosting and sFTP.

Category # 44   MYSQL

Utilization - Base		**96.99%**	**11,568**	**8,500**
Memory GB per Month		**1.00%**	**12**	**10**
Overage GB per Month		**2.00%**	**10,080**	**5,000**
License Per Month		**1.00%**	**12**	**12**
Budgeted Costs			**FY17 CAP**	**FY18 CAP**
Direct Personnel			82,906	31,278
Fringe Benefits			37,167	14,022
Personal Services			120,073	45,300
	468	SQL	105,977	105,977
	641	MySQL Software	111,218	111,218
Hardware/Software Expense & Equipment Total			**217,195**	**217,195**
Expendable Supplies Total			**0**	**0**
	881	MySQL Training \Travel\Tools for Staff	5,000	5,000
General Support Expense Total			5,000	5,000
Depreciation			37,073	58,788
Capital Purchases			(111,218)	(111,218)
Job Costs			17,158	114,248
Indirect Cost			93,055	14,587
Total Service Costs			**378,336**	**343,900**
Estimated Revenue			**378,336**	**343,900**
Base Transaction Rate			**$31.72**	**$39.24**
Memory Transaction Rate			**$3.15**	**$3.44**
Overage Transaction Rate			**$0.75**	**$1.38**
License Transaction Rate			**$315.28**	**$286.58**

Category # 45   Web Hosting

Utilization   -   13,164

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	0	0
Fringe Benefits	0	0
Personal Services	0	0
537 Plesk License Purchase	2,200	12,000
Hardware/Software Expense & Equipment Total	**2,200**	**12,000**
Expendable Supplies Total	**0**	**0**
874 SSL Training\Travel\Tools for Staff	6,000	8,000
General Support Expense Total	6,000	8,000
Depreciation	0	0
Capital Purchases	0	0
Job Costs	0	45,472
Indirect Cost	0	1,357
Total Service Costs	**8,200**	**66,828**
Estimated Revenue	**8,200**	**66,828**

Transaction Rate   **$5.08**

                                                                    Per Site Per Month   Per Site Per Month

Category # 47   Tableau

		Budgeted Costs	FY17 CAP	FY18 CAP
Utilization			1,560	1,560
		Direct Personnel	55,271	45,600
		Fringe Benefits	24,778	20,442
		Personal Services	80,049	66,042
493		Tableau Maintenance	24,960	24,960
644		Guardium Licenses	17,685	17,685
645		Additional 26 Client licenses	24,960	27,040
		Hardware/Software Expense & Equipment Total	67,605	69,685
		Expendable Supplies Total	0	0
883		Tableau Training\Travel\Tools for Staff	3500	2,000
		General Support Expense Total	3,500	2,000
		Depreciation	14,215	3,537
		Capital Purchases	(42,645)	(17,685)
		Job Costs	7,854	12,178
		Indirect Cost	5,880	8,382
		Total Service Costs	136,458	144,139
		Estimated Revenue	136,458	144,139
		Transaction Rate	$87.47	$92.40
			Per User Per Month	Per User Per Month

Category # 48   DB2LUW

Utilization	Base	33%		5,400
	Memory	2%		3,900
	Overage	15%		130,000
	License	50%		720

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	0	150,590
Fringe Benefits	0	67,510
Personal Services	**0**	**218,100**
473 DB2 Maintenance		578,612
Hardware/Software Expense & Equipment Total	**0**	**578,612**
Expendable Supplies Total	**0**	**0**
882 DB2 LUW Training\Travel\Tools for Staff		60,000
General Support Expense Total	**0**	**60,000**
Depreciation	0	0
Capital Purchases	0	0
Job Costs	0	157,597
Indirect Cost	0	58,499
Total Service Costs	**0**	**1,072,808**
Estimated Revenue	**0**	**1,072,808**

Base Transaction Rate	**65.56**
Memory Transaction Rate	**5.50**
Overage Transaction Rate	**1.24**
License Transaction Rate	**745.01**

Category # 49   BOX

Utilization   -   **3,600**

Budgeted Costs	FY17 CAP	FY18 CAP
Direct Personnel	0	5,904
Fringe Benefits	0	2,647
Personal Services	0	8,551
538 Box software subscription		54,360
Hardware/Software Expense & Equipment Total	**0**	**54,360**
Expendable Supplies Total	**0**	**0**
General Support Expense Total	0	0
Depreciation	0	0
Capital Purchases	0	0
Job Costs	0	6,199
Indirect Cost	0	4,267
Total Service Costs	**0**	**73,377**
Estimated Revenue	**0**	**73,377**

Transaction Rate   **$20.38**
                                                                                Per Agency Per Month

Five Year Rate Summary

Num.	Category Description	FY18	FY17	FY16	FY15	FY14
1	Laser Feet Printed	0.03	0.03	0.03	0.03	0.03
1	Lines (Impact) Printed/1000	0.35	0.34	0.39	0.39	0.38
1	Laser Feet Printed/Duplex	0.02	0.02	0.03	0.03	0.03
2	CPU Service Units/1000	0.01	0.01	0.01	0.01	0.01
3	CICS Transactions	0.001	0.001	0.001	0.001	0.001
5	zOS Enterprise Data Backup/GB Day	0.003	0.004	0.004	0.004	0.006
7	AD User ID per Month	1.28	0.37	0.94	0.77	0.76
7	AD & Exchange Mailbox per Month	5.72	4.75	4.75	4.97	4.37
8	zOS Data Storage/GB Day	0.09	0.05	0.15	0.10	0.13
10	zOS IDMS Run Units	0.004	0.004	0.004	0.004	0.005
11	zOS DB2 Service Units/1000	0.003	0.002	0.003	0.002	0.002
14	All Fusion CPU Service Units/1000	0.021	0.02	0.03	0.02	0.02
15	VM per Image per Month	103.40	105.33	99.70	124.63	99.75
16	SAN per 1GB per Month	0.25	0.25	0.17	0.18	0.17
17	Physical Server Support / Month	86.02	149.28	87.81	142.36	117.96
19	DistSys Backup-Recovery/GB Day	0.002	0.002	0.003	0.002	0.002
21	WAS per Image per Month	45.48	42.46	1,131.55	1,136.99	1,968.82
23	SQL per Base Unit per Month	28.37	28.48	27.34		
23	SQL Memory per GB per Month	4.77	4.30	5.51		
23	SQL Overage per GB per Month	0.87	0.98	0.98		
23	SQL License per License per Month	98.64	106.76	108.30		
26	Remote Server Support per Server per Month	167.84	120.97	92.77	85.83	67.07
27	VDI-Virtual Desktop per Month w/Thin Client	43.64	32.84	26.54	26.31	21.26
27	VDI-Virtual Desktop per Month	40.59				
27	RDP Pool Users VDI per Month	10.91	8.21	6.64	6.58	-
28	sFTP Units	1.60	-	4.64	2.54	-
29	SharePoint	1,753.78	1,931.20	300.69	937.04	-
31	TFS		-	640.73	367.39	431.25
32	Enterprise Fax Services	0.06	0.07	0.03	0.03	0.03
33	SSRS	67.07	107.71	992.68	1,202.78	
34	JIRA	4.16	5.46	1.52	1.50	
35	AIX Hosted Services		35.14	38.04	50.78	
42	OnBase ECM	12.39	22.57			
43	Web Utility (Web Combined in FY17)	9.08	27.04			
44	MySQL Base	39.24	31.72			
44	MySQL Memory	3.44	3.15			
44	MySQL Overage	1.38	0.75			
44	MySQL License	286.57	315.28			
45	Web Hosting	5.08				
47	Tableau	92.39	87.47			
48	DB2LUW Base	65.56				
48	DB2LUW Memory	5.50				
48	DB2LUW Overage	1.24				
48	DB2LUW License	745.01				
49	BOX	20.38				

Rate	$ 0.007	$ 0.006	$ 0.001	$ 0.001	$ 0.016	$ 0.021	$ 0.046	$ 0.086	$ 0.002	$ 0.003	$ 0.004	$ 0.003	$ 42.45	$ 45.49
	CPU	CPU	CICS	CICS	All Fusion	All Fusion	Z Data Strg	Z Data Strg	ZOS DB2	ZOS DB2	ZOS Data BU	ZOS Data BU	WAS	WAS
Agency	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18
Senate	516	427	59	54	-		-	-	264	182	-	-	-	-
House of Rep	412	583	112	115	-		-	-	215	320	-	-	-	-
Legis Rsrch	12	10	11	11	-		-	-	7	4	-	-	-	-
SOS	1,682	1,354	402	367	-		9	6	912	687	6	5	-	-
Auditor	453	474	72	57	-		40	20	137	104	386	276	-	-
Treasurer	191	174	83	75	-		1	1	47	47	6	6	-	-
AGO	547	453	244	174	-		-	-	291	166	-	-	-	-
OA	539,910	551,813	34,307	101,406	8,253	9,157	156,709	160,000	167,736	134,788	60,901	21,330	11,565	15,647
Agriculture	937	871	590	417	-	-	-	-	435	305	-	-	-	-
Insurance	2,157	1,994	214	323	-	-	3	2	609	1,012	17	14	-	-
Conservation	2,105	1,964	895	764	-	-	-	-	693	475	-	-	-	-
DED	12,698	10,050	1,138	683	-	-	2,477	1,726	2,285	1,457	996	755	-	-
DESE	6,537	5,635	2,182	1,744	-	-	-	-	3,331	2,621	-	-	-	-
Higher Ed	1,216	1,017	124	151	-	-	-	-	438	391	-	-	23,129	27,292
DHSS	88,702	82,640	26,084	22,681	-	-	1,374	763	18,329	16,630	3,174	2,815	-	
MODOT	23,830	20,478	6,927	6,000	-	-	24	18	9,629	6,414	3	2	-	-
DOLIR	464,066	247,419	101,567	8,216	16	-	77,960	59,369	12,066	1,512	76,534	47,308	231,295	212,240
DMH	121,202	99,806	7,503	5,976	-	-	5,547	4,459	45,508	49,038	3,172	3,493	-	-
DNR	20,414	23,297	2,970	2,548	-	-	1,164	854	8,377	10,116	2,565	2,278	57,824	57,313
DPS/MSHP	95,573	107,023	274,668	289,561	1		1,211	739	9,854	13,955	271	125		
Revenue	2,059,831	1,609,659	234,183	137,346	-	-	170,473	137,277	427,576	374,161	115,160	99,286	40,477	43,895
DSS	4,639,354	4,165,186	1,468,858	1,269,996	90,646	29,255	551,046	433,242	1,998,263	1,964,141	157,143	163,911	-	-
Corrections	13,670	16,151	9,152	8,471	-	-	-	-	6,964	6,333	-	-	213,948	234,938
Other	5,812	5,905	2,955	2,525		-		-	-	4,084	-	2		-
Total	**8,101,828**	**6,954,384**	**2,175,299**	**1,859,661**	**98,916**	**38,413**	**968,039**	**798,477**	**2,713,965**	**2,588,944**	**420,334**	**341,605**	**578,237**	**591,325**

Rate	$ 0.004	$ 0.004	$ 0.029	$ 0.030	$ 0.002	$ 0.002	$ 4.75	$ 5.72	$ 0.24	$ 0.25	$ 149.28	$ 86.03	$ 105.33	$ 103.41
	ZOS IDMS	ZOS IDMS	Print	Print	BackUp Rec	BackUp Rec	AD-Exchange	AD-Exchange	SAN	SAN	Phy Srvr	Phy Srvr	VM	VM
Agency	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18
Senate	-	-	-		-	-	49	31	-	-	-	-	-	-
House of Rep	-	-	-		-	-	65	62	-	-	-	-	-	-
Legis Rsrch	-	-	-		-	-	79	46	-	-	-	-	-	-
SOS	-	-	-		15	15	49	55	-	-	-	-	-	-
Auditor	-	-	29	35	209	162	151	1,041	152	218	-	-	2,783	3,723
Treasurer	97	86	-		9,139	8,184	533	397	15,220	12,915	-	-	19,328	17,373
AGO	-	-	-		-	-	3,652	3,225	105	93	-	-	2,783	2,482
OA	6		16,298	19,587	129,640	210,419	134,910	275,907	161,060	222,434	6,816	2,648	352,696	410,004
Agriculture	-	-	-		13,024	12,741	28,616	32,777	30,256	16,981	-	-	12,061	8,190
Insurance	12	26	-		6,974	22,927	15,382	52,770	12,231	39,940	-	-	8,504	46,410
Conservation	615	888	9	15	511	332	114	123	5,373	4,773	-	-	1,392	1,241
DED	109	171	1,261	1,365	47,517	21,992	88,310	72,830	65,968	28,698	2,272	1,032	85,043	47,155
DESE	-	-	-		77,923	67,956	97,132	91,422	59,999	54,565	-	-	68,962	64,031
Higher Ed	-	-	3		2,907	34,446	5,713	7,155	4,045	3,522	-	-	6,494	4,715
DHSS	63,691	59,521	868	10,244	115,054	111,018	172,040	232,313	98,389	119,735	2,272	602	193,279	160,575
MODOT	175	196	1		627	109	1,235	1,312	5,995	1,151	-	-	2,629	1,985
DOLIR	1,692	1,170	195,591	120,655	39,629	115,973	71,364	61,912	244,267	251,537	-	-	134,522	121,114
DMH	227	242	13		185,103	121,959	503,173	597,656	161,717	137,945	4,291	-	204,567	181,174
DNR	-	-	-		205,315	177,754	122,890	146,368	190,318	185,079	9,088	4,129	87,671	88,602
DPS/MSHP	68,265	118,759			14,710	10,286	63,174	98,731	40,205	37,231			37,419	35,586
Revenue	803,816	793,344	437,954	395,500	352,788	326,303	118,682	141,471	140,606	153,423	6,816	3,097	226,987	324,128
DSS	597,194	543,319	1,021,287	1,165,738	283,202	211,546	572,038	660,709	490,133	691,153	34,079	24,776	183,229	181,919
Corrections	-	-	-		28,263	26,647	780,492	861,987	73,810	72,971	4,544	2,065	44,995	41,447
Other	1,451	1,307	1,127	2,405		-	6,209	1,212		2,152		-		93,069
Total	1,537,349	1,519,029	1,674,441	1,715,544	1,512,551	1,480,770	2,786,055	3,341,512	1,799,849	2,036,514	70,178	38,350	1,675,343	1,834,924

Rate	$ 120.97	$ 167.85	$ 43.64	$ 28.48	$ 28.37	$ 1,931.20	$ 1,753.89	$ 0.068	$ 0.062	$ 107.71	$ 67.07	$ 5.46	$ 4.16	$ 35.14
	RSS	RSS	VDI	SQL Total	SQL Total	Share PT	Share PT	FAX	FAX	SSRS	SSRS	JIRA	JIRA	AIX
Agency	FY17	FY18	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17	FY18	FY17
Senate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
House of Rep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Legis Rsrch	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOS	-	-	-	367	58	-	-	-	-	-	-	-	-	-
Auditor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Treasurer	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGO	-	-	305	-	-	-	-	-	-	-	-	-	-	-
OA	8,161	10,136	480,599	336,187	456,087	21,629	42,093	26,376	19,360	42,620	49,542	2,387	4,769	1,252
Agriculture	1,545	2,014	16,114	32,907	48,096	21,629	21,047	365	98	26,324	28,840	205	208	-
Insurance	-	-	77,659	34,922	53,162	21,629	21,047	6,827	3,901	-	-	-	-	-
Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DED	34,229	40,621	65,134	125,527	116,388	21,629	21,047	171	-	10,028	10,597	646	769	-
DESE	12,985	11,582	47,001	255,634	213,476	43,259	42,093	79	41	6,268	18,377	4,500	6,379	-
Higher Ed	-	-	1,178	8,076	3,272	21,629	21,047	133	29	-	-	684	541	-
DHSS	11,327	15,610	201,009	167,854	134,484	21,629	21,047	6,642	4,730	5,014	5,164	-	-	5,231
MODOT	-	-	-	405	81	-	-	-	-	-	-	-	-	-
DOLIR	5,592	7,292	36,975	83,549	96,967	21,629	21,047	79,887	35,655	5,014	5,164	9,417	6,645	-
DMH	48,490	52,706	55,500	818,320	739,869	21,629	21,047	457	227	10,028	12,207	-	-	-
DNR	12,615	15,107	52,391	44,805	39,426	21,629	21,047	235	170	-	-	14,198	10,579	-
DPS/MSHP	8,581	7,960	25,041	33,240	31,003	21,629	-	367	98	1,254	958			-
Revenue	2,749	3,525	61,632	295,504	449,981	21,629	21,047	55,383	32,322	56,409	55,064	-	-	-
DSS	160,134	203,942	997,648	195,705	180,366	21,629	21,047	3,654	61,755	10,028	9,993	33,466	32,484	78,689
Corrections	94,466	118,169	37,989	19,826	18,133	-	-	-	-	-	-	-	-	-
Other		73	2,007		653	-	-		44,183		-		-	
Total	400,874	488,737	2,158,182	2,452,830	2,581,501	302,811	294,653	180,576	202,570	172,988	195,905	65,503	62,373	85,172

	OnBase ECM	OnBase ECM	MySQL	MySQL	DB2LUW	Tableau	Tableau	Web Comb	Web Utility	WebHost	sFTP	BOX	Annual	Annual
Rate	$ 22.57	$ 12.39	$ 31.72	$ 39.24	$ 31.10	$ 87.47	$ 96.17	$ 27.04	$ 9.08	$ 5.08	$ 1.60	20.38		
Agency	FY17	FY18	FY17	FY18	FY18	FY17	FY18	FY17	FY18	FY18	FY18	FY18	FY17 Total	FY18 Total
Senate	-	-	-	-	-	-	-	-	-	-	-	-	889	694
House of Rep	-	-	-	-	-	-	-	-	-	-	-	-	804	1,080
Legis Rsrch	-	-	-	-	-	-	-	-	-	-	-	-	109	70
SOS	-	-	-	-	-	-	-	-	-	-	19	-	3,443	2,566
Auditor	-	-	-	-	-	-	-	-	-	-	96	-	4,412	6,206
Treasurer	-	-	-	-	-	-	-	-	-	-	-	-	44,645	39,258
AGO	-	-	-	-	-	-	-	-	-	-	77	-	7,622	6,974
OA	32,777	30,777	125,851	160,983	3,359	27,292	77,992	104,598	70,597	20,469	44	-	2,789,180	3,561,951
Agriculture	-	-	5,764	99	1,973	-	-	34,560	9,043	4,691	2,442	978	226,169	207,925
Insurance	2,980	1,784	-	-	-	-	-	9,167	2,070	1,157	2,365	978	187,677	329,540
Conservation	-	-	-	-	-	-	-	-	-	-	135	-	11,707	10,710
DED	-	4,312	5,391	6,725	-	-	-	9,167	32,684	487	2,269	9,539	558,736	498,485
DESE	1,084	8,773	-	-	70,000	10,497	-	9,167	4,467	1,036	1,096	245	673,073	712,540
Higher Ed	13,544	5,353	-	-	5,225	-	-	1,839	3,050	-	1,211	489	90,642	120,084
DHSS	-	-	115,123	151,624	-	-	-	3,380	223,666	-	2,538	6,359	1,288,049	1,585,769
MODOT	-	-	-	-	-	-	-	-	-	-	250	2,935	51,480	40,932
DOLIR	-	-	9,136	8,672	423,946	-	-	2,136	15,252	670	2,500	489	1,889,168	1,909,699
DMH	18,962	24,980	46,820	4,306	-	-	-	54,436	20,918	12,001	769	489	2,289,278	2,146,766
DNR	10,564	8,029	1,813	2,278	256,356	-	-	15,603	12,747	2,985	5,884	1,223	877,368	1,126,559
DPS/MSHP		2,379	2,665	-				15,279	5,883	3,351	2,090	3,669	736,285	794,428
Revenue	284,426	9,665	1,523	1,884	-	52,484	13,944	68,822	68,309	19,616	22,420	734	6,016,759	5,299,032
DSS	406,323	454,095	5,329	0	105,945	46,186	44,525	3,380	68,200	366	12,441	734	13,638,880	13,698,430
Corrections	-	-	6,266	7,327	205,536	-	-	3,353	7,844	-	1,711	4,403	1,319,147	1,672,121
Other		-	52,656	-	-		-		-	-	-	1,223	85,080	160,801
Total	770,660	550,146	378,336	343,900	1,072,340	136,458	136,461	334,888	544,730	66,828	60,358	34,487	32,790,602	33,932,623